

INTERNATIONAL SEARCH REPORT

Int'l Application No
PCT/GB2004/002657

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01J9/00 G02B5/18

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01J G02B

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, INSPEC, WPI Data, PAJ, COMPENDEX

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>BLANCHARD P M ET AL: "PHASE-DIVERSITY WAVE-FRONT SENSING WITH A DISTORTED DIFFRACTION GRATING" APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 39, no. 35, 10 December 2000 (2000-12-10), pages 6649-6655, XP001017744 ISSN: 0003-6935 paragraphs '0003! - '0007!; figures 3-5</p> <p style="text-align: center;">-/--</p>	1-26

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- 'A' document defining the general state of the art which is not considered to be of particular relevance
- 'E' earlier document but published on or after the international filing date
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- 'O' document referring to an oral disclosure, use, exhibition or other means
- 'P' document published prior to the international filing date but later than the priority date claimed

- 'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- 'X' document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- 'Y' document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- '&' document member of the same patent family

Date of the actual completion of the international search

21 October 2004

Date of mailing of the international search report

03/11/2004

Name and mailing address of the ISA
European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Hambach, D

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT		
Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>OTTEN L J III ET AL: "Comparison between a Shack-Hartmann and a distorted grating wavefront sensor"</p> <p>PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING SPIE-INT. SOC. OPT. ENG USA, vol. 484, 2003, pages 176-185, XP002301934 ISSN: 0277-786X page 177; figure 2</p>	1-26
X	<p>CHANG M P ET AL: "Grating-based curvature sensor"</p> <p>PROCEEDINGS OF THE SPIE - THE INTERNATIONAL SOCIETY FOR OPTICAL ENGINEERING SPIE-INT. SOC. OPT. ENG USA, vol. 4926, 2002, pages 101-106, XP002301935 ISSN: 0277-786X paragraph '0002!; figures 2-4</p>	1-26
X	<p>BLANCHARD P M ET AL: "SIMULTANEOUS MULTIPLANE IMAGING WITH A DISTORTED DIFFRACTION GRATING"</p> <p>APPLIED OPTICS, OPTICAL SOCIETY OF AMERICA, WASHINGTON, US, vol. 38, no. 32, 10 November 1999 (1999-11-10), pages 6692-6699, XP000893705 ISSN: 0003-6935 paragraph '0006!; figures 2,3</p>	1-26
X	<p>WO 03/022139 A (KESTREL CORP) 20 March 2003 (2003-03-20) paragraphs '0037!, '0038!; figure 1</p>	1, 19, 21, 26
A	<p>NEIL M A A ET AL: "Dynamic wave-front generation for the characterization and testing of optical systems"</p> <p>OPTICS LETTERS OPT. SOC. AMERICA USA, vol. 23, no. 23, 1 December 1998 (1998-12-01), pages 1849-1851, XP002301936 ISSN: 0146-9592 the whole document</p>	13, 16, 17, 23, 24

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Patent document cited in search report		Publication date		Patent family member(s)	Publication date
WO 03022139	A	20-03-2003	US	2002071098 A1	13-06-2002
			WO	03022139 A1	20-03-2003
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